



MEMBER OF
FRANKISCHE GROUP

YOUR VEHICLE.

YOUR PROTECTION.

YOUR FUTURE.



FIPPROTECT

Cable protection solutions
for trucks

Trucks operate in environments where every component is exposed to constant stress – from extreme temperatures and heavy vibrations to dust, moisture, and road salt.

Our cable protection systems are engineered precisely for these conditions. They deliver outstanding safety and long-lasting reliability, ensuring that wiring functions flawlessly throughout the entire vehicle lifecycle.

Whether in long-haul transport, construction, or heavy-duty logistics – our solutions provide the durability and performance that keep trucks moving, day after day, year after year.

Product range tubings

Tubings

High mechanical strength

For applications exposed to heavy mechanical loads, our standard tubings provide proven and long-lasting protection for truck wiring harnesses.

They combine outstanding strength with low wall thickness, allowing secure and flexible routing even in tight installation spaces.

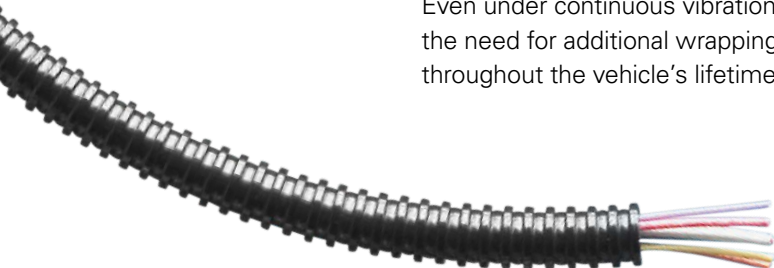
With temperature resistance up to two hundred degrees celsius and a wide diameter range, they are built for durability in long distance transport, construction vehicles, and other heavy duty applications.



Vibration Resistance

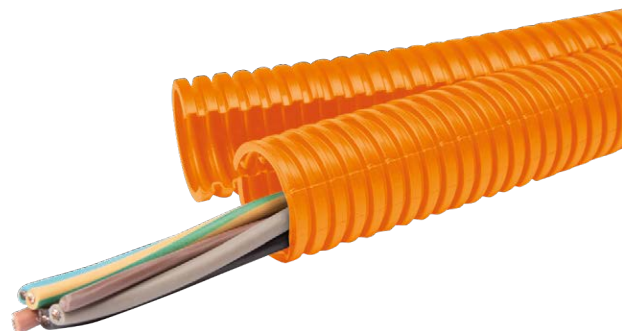
Where constant movement and vibration meet sensitive wiring, our Softwave tubings deliver reliable protection. The special wave geometry creates a large contact surface inside and outside, preventing abrasion and cable wear.

Even under continuous vibration, the protection remains stable, eliminating the need for additional wrapping and ensuring dependable performance throughout the vehicle's lifetime.





FIPPROTECT



Retrofit installation

For quick and efficient service or after installation, our Monoflex and Co-flex tubings are the perfect choice.

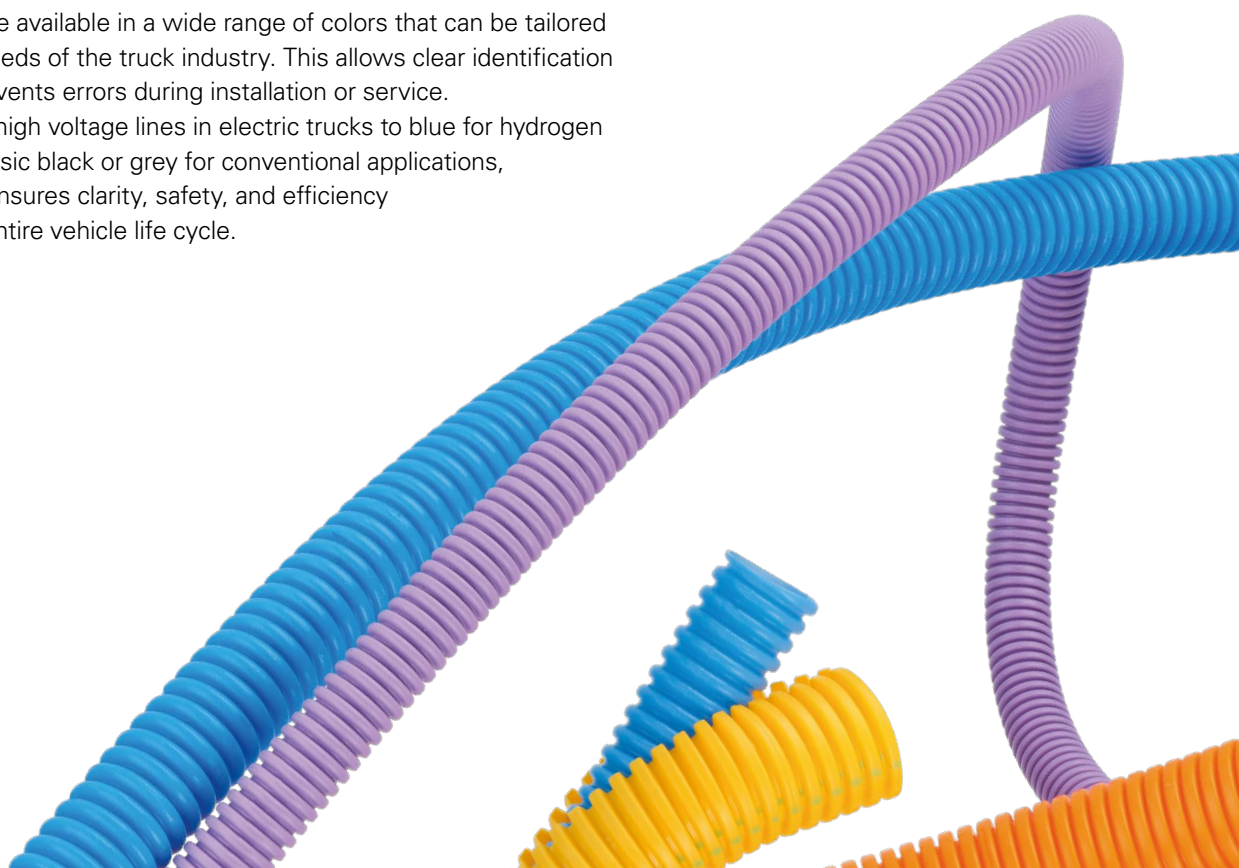
Both systems are two piece and securely closable, allowing safe retrofitting even in confined spaces. Their optimized inner surfaces protect cables, prevent slippage, and allow nearly full filling.

Thanks to the continuous closure design, no extra wrapping is required, saving time, effort, and costs during maintenance and upgrades.

Color variety

All FIP tubings are available in a wide range of colors that can be tailored to the specific needs of the truck industry. This allows clear identification of wiring and prevents errors during installation or service.

From orange for high voltage lines in electric trucks to blue for hydrogen systems and classic black or grey for conventional applications, our color range ensures clarity, safety, and efficiency throughout the entire vehicle life cycle.



Product range

Protective sleeves



Abrasion Protection

When cables are exposed to constant friction or movement, our self closing polyester sleeves provide reliable protection with minimal weight. They are temperature resistant from minus forty to plus one hundred and fifty degrees celsius and combine excellent flexibility with strong abrasion resistance.

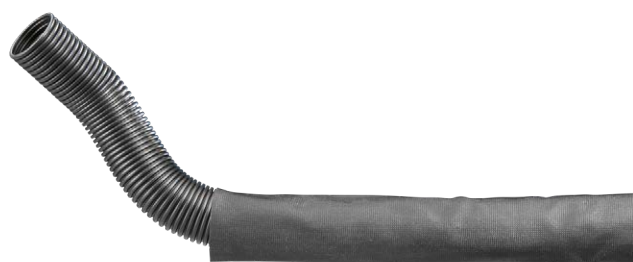
Ideal for dynamic truck applications and retrofit installations, they ensure long lasting protection where cables are constantly in motion.

Extreme abrasion resistance

For maximum wear resistance, our polyester and polyamide knitted sleeves set new standards.

With a special coating and temperature stability up to one hundred and sixty degrees celsius, they exceed the highest abrasion requirements of international industry standards.

They can be cut cold without fraying, are resistant to puncture, and maintain flexibility even in tight bending areas, making them perfect for exposed harness zones.



High Voltage Protection

Electric and hybrid trucks require specialized protection.

Our high voltage sleeves combine exceptional abrasion strength with thermal resistance up to one hundred and sixty degrees celsius.

They provide consistent safety under mechanical stress, resist puncture, and can be easily processed, ensuring the long term integrity of high voltage wiring systems.





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Impact protection

For zones exposed to strong mechanical forces, our aramid knitted sleeves provide superior strength and flexibility.

The reverse knitted structure with a special impregnation ensures smooth assembly, excellent cut resistance, and reliable protection up to one hundred and eighty degrees celsius.

Lightweight and free of glass fibers, they are ideal for demanding truck and high voltage applications.

Extreme abrasion and impact resistance

Our glass fiber and aramid hybrid sleeves provide exceptional protection in extreme environments.

With a polyurethane coating, they resist abrasion, impact, dirt, and moisture while remaining flexible up to one hundred and thirty degrees celsius.

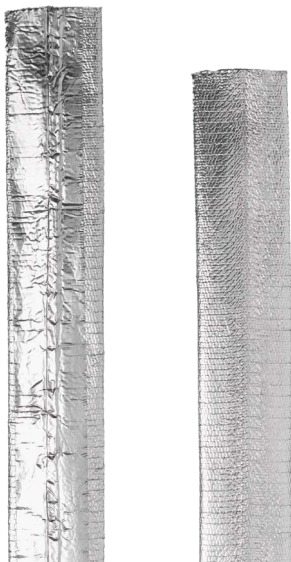
They can be cut cold without burrs and offer lasting durability and safety throughout the entire vehicle lifetime.



Heat Protection

For areas exposed to very high temperatures, such as engine compartments or exhaust zones, our silicone coated glass fiber sleeves ensure stable performance.

They maintain flexibility and mechanical stability under thermal stress, providing dependable protection for critical components in heat intensive truck environments.



Product range

Accessories and Connector Protection

Secure Accessories

Reliable cable protection also means secure connections. Our Snap-Lock distributors enable safe joining of corrugated tubings and integration of cable ties or fixed mounting points at right angle outlets. The robust locking design with a film hinge is easy to handle, self-extinguishing according to international safety standards, and resistant to mechanical and chemical influences, ensuring long term reliability.



Heavy Duty Protective Caps

Developed for sealed high performance connectors, our protective caps for the Heavy Duty Sealed Connector Series are designed to withstand the toughest conditions in commercial and off road vehicles.

They provide excellent sealing against dust, water, temperature changes, and mechanical impact, ensuring reliable electrical performance and long lasting protection.

Available in different versions, they offer perfect fit and durability for every connection point in the vehicle.

Protective Caps

For common contact systems such as Hirschmann, Tyco and Kostal, our connector caps provide a precise fit and secure sealing. They protect against external influences, are easy to handle, and guarantee consistent electrical safety in all truck applications.



FIPPROTECT

Built for Trucks.

Engineered by FIP.

Every solution from FRÄNKISCHE Industrial Pipes is designed for durability, safety, and efficiency, tested under real heavy duty conditions.

Downloads

Discover the complete range of cable protection systems for trucks in our detailed **product catalog**:

www.fraenkische-ip.com/fipprotect-main-catalog



For maximum sealing requirements, discover our **FIPSYSTEMS® solutions**:

www.fraenkische-ip.com/fipsystems-main-catalog



FRÄNKISCHE Industrial Pipes (FIP) is a global partner to the automotive and commercial vehicle industry, and is close to its customers' with sites in Africa, Asia, Europe and North America. The company's main headquarters is in Königsberg, Germany.

FRÄNKISCHE Industrial Pipes counts leading manufacturers and renowned suppliers from the industry among its customers. The company was founded in 2008 and has enjoyed success thanks to innovative, customer-oriented solutions for fluid management, protective components as well as thermal management.

A strong focus today is on e-mobility with thermal management. FIP's key competences also include industrial cable protection, and media-conducting systems that are used wherever liquids or gases are distributed under specific and stringent requirements. Other key competencies include the design, prototype construction, and mass production of customerspecific components, utilizing the company's own expertise in plastic technology and automation.



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